



GP-304355
 Legal Staff, GM Corp., Detroit, MI
REPLACEMENT SHEET
 3/14

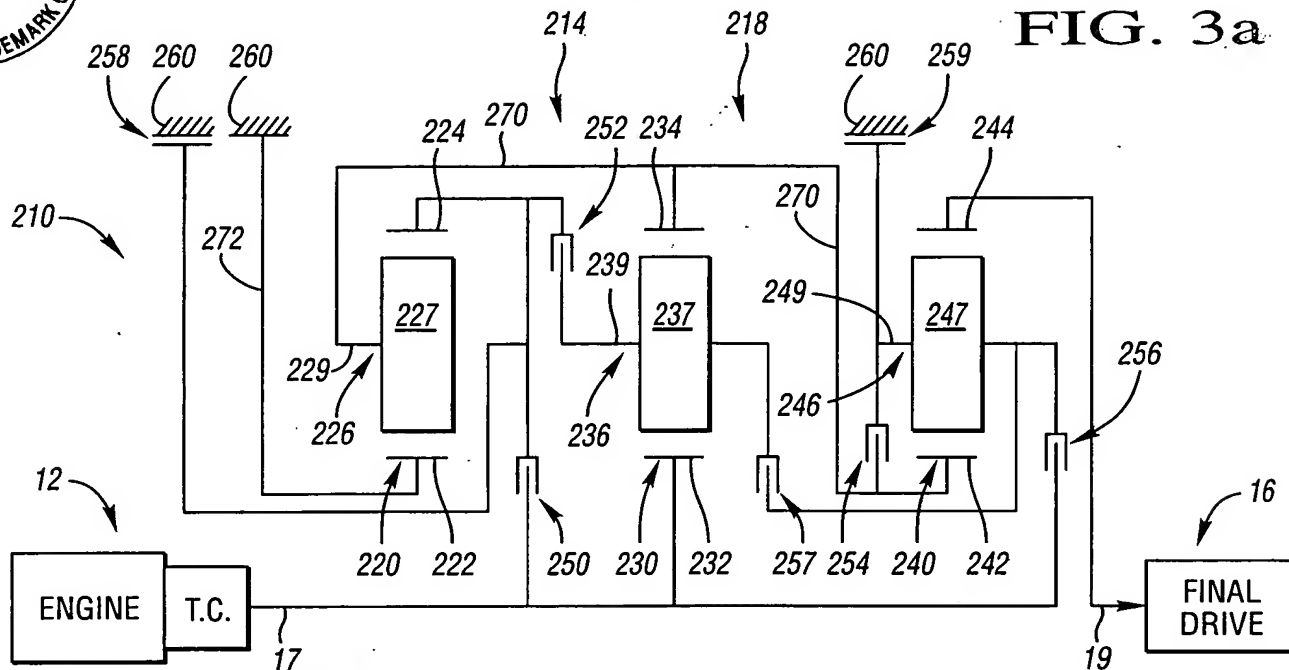


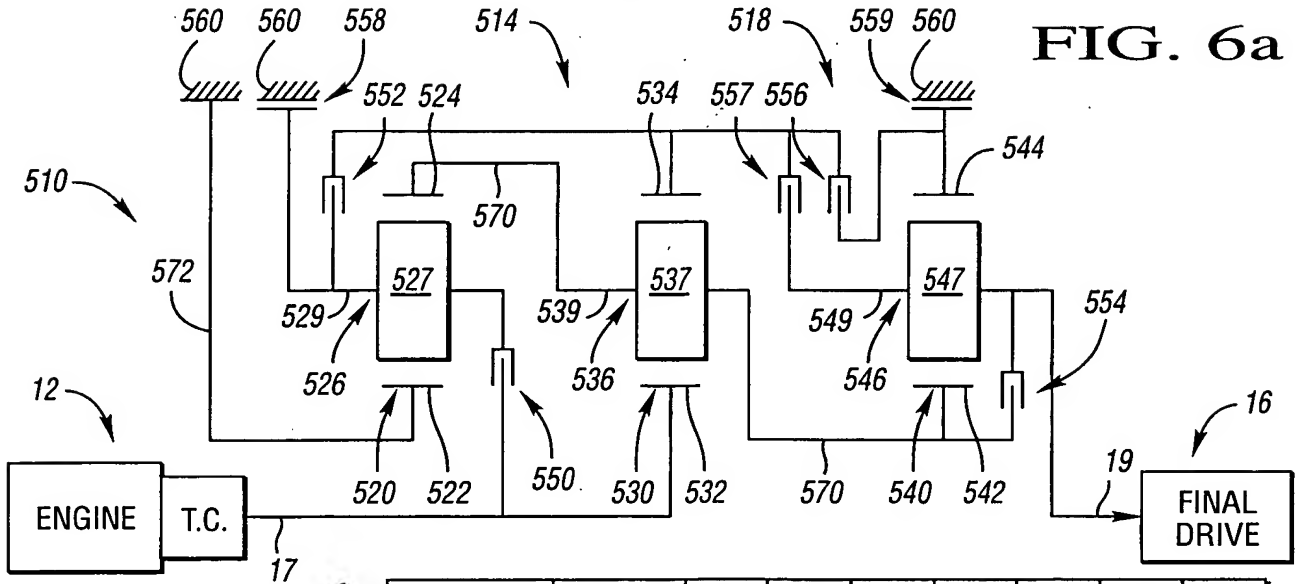
FIG. 3b

	RATIOS	250	252	254	256	257	258	259
REVERSE 2	-4.15		X					X
REVERSE 1	-2.16	X						X
NEUTRAL	0.00							X
1	4.48					X		X
2'	2.78		X	X				
2	2.40					X	X	
3	1.59		X			X		
3'	1.44	X		X				
4	1.22	X				X		
5	1.00				X	X		
6	0.83	X			X			
7	0.70		X		X			
8	0.60				X		X	

(X = ENGAGED CLUTCH)

RING GEAR / SUN GEAR TOOTH RATIO: $\frac{N_{R1}}{N_{S1}} = 2.27$, $\frac{N_{R2}}{N_{S2}} = 3.00$, $\frac{N_{R3}}{N_{S3}} = 1.50$

RATIO SPREAD	7.48
RATIO STEPS	
REV2/1	-0.93
1/2	1.87
2/3	1.50
3/4	1.31
4/5	1.22
5/6	1.21
6/7	1.18
7/8	1.17

**FIG. 6b**

	RATIOS	550	552	554	556	557	558	559
REVERSE 2	-2.52				X		X	
REVERSE 1	-1.51					X	X	
NEUTRAL	0.00				X			
1	6.26				X			X
2	4.75					X		X
3	4.00		X					X
4	2.66		X			X		
5	2.10		X		X			
6	1.60		X	X				
6'	1.50	X						X
7	1.00			X	X			
8	0.60	X		X				
9	0.52	X			X			
10	0.48	X				X		

(X = ENGAGED CLUTCH)

$\frac{\text{RING GEAR}}{\text{SUN GEAR}}$ TOOTH RATIO: $\frac{N_{R1}}{N_{S1}} = 1.67$, $\frac{N_{R2}}{N_{S2}} = 1.51$, $\frac{N_{R3}}{N_{S3}} = 1.50$

RATIO SPREAD	13.16
RATIO STEPS	
REV2/1	-0.40
1/2	1.32
2/3	1.19
3/4	1.50
4/5	1.27
5/6	1.31
6/7	1.60
7/8	1.67
8/9	1.15
9/10	1.08

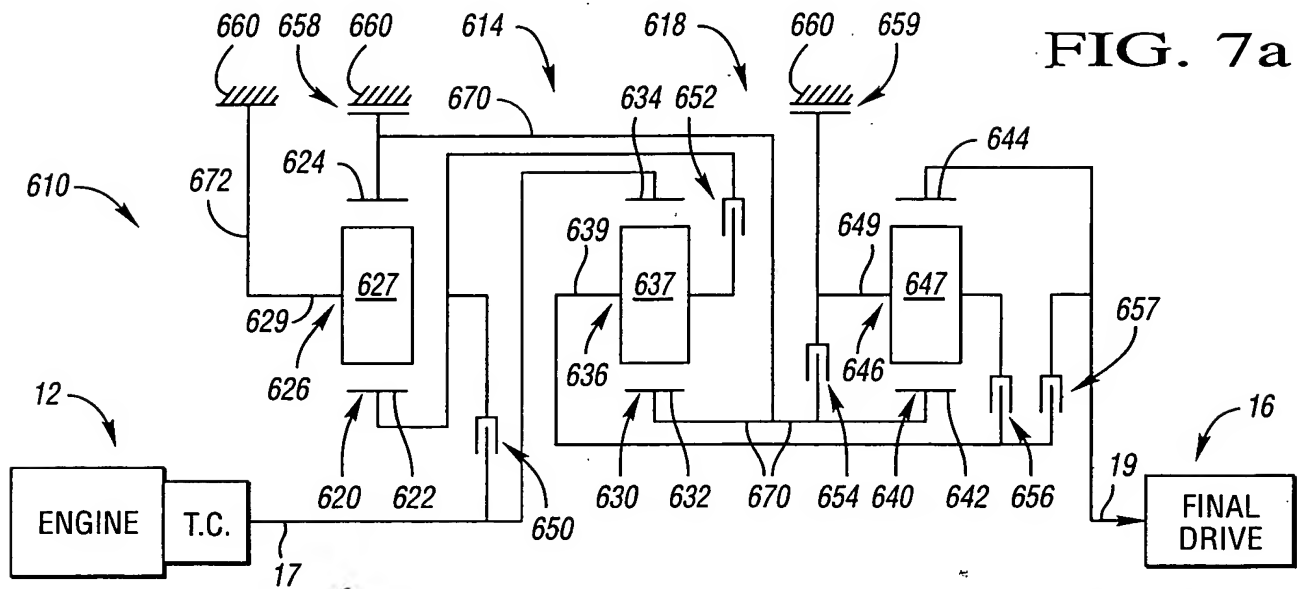


FIG. 7a

	RATIOS	650	652	654	656	657	658	659
REVERSE 2	-3.00			X	X			
REVERSE 1	-2.00		X		X			
NEUTRAL	0.00							
1	5.43			X				X
2	3.62	X						X
3	1.94					X		X
4'	1.60	X				X		
4	1.50		X			X		
5	1.33					X	X	
6	1.00				X	X		
7'	0.86				X		X	
7	0.82		X		X			
8'	0.80	X			X			
8	0.60				X			X

(X = ENGAGED CLUTCH)

$$\frac{\text{RING GEAR}}{\text{SUN GEAR}} \text{ TOOTH RATIO: } \frac{N_{R1}}{N_{S1}} = 2.00, \frac{N_{R2}}{N_{S2}} = 3.00, \frac{N_{R3}}{N_{S3}} = 1.81$$

RATIO SPREAD	6.77
RATIO STEPS	
REV2/1	0.55
1/2	1.50
2/3	1.87
3/4	1.29
4/5	1.13
5/6	1.33
6/7	1.22
7/8	1.37

FIG. 7b